

What is claimed is:

1. A sealing device disposed between relatively movable shaft and housing, comprising;

a rigid annular casing provided with a molded elastic rubber like sealing lip disposed in an axial direction thereof, said sealing lip having a frustoconical air-side surface and having a frustoconical oil-side surface; and

a harder portion disposed on said frustoconical air-side surface, hardness of said harder portion being harder than the hardness of said sealing lip.

2. The sealing device according to Claim 1, wherein said harder portion has a helical shape.

3. A process for making a sealing device having a sealing lip having a frustoconical air-side surface and a frustoconical oil-side surface and having a harder helical portion on said air-side surface, hardness of said harder helical portion being harder than the hardness of said sealing lip, said process comprising the steps of;

preparing a foreproduct of said sealing device having a rigid annular casing, a molded elastomeric member bonded to said casing in one body and a sealing lip defined by a frustoconical air-side surface and a frustoconical oil-side surface;

radiating an radiation ray on said frustoconical surface to form said harder portion.

4. The process for making a sealing device according to Claim 3, further comprising a process of placing a mask on said frustoconical air-side surface before radiation, said mask having a helical slit through which said electromagnetic wave passes onto said frustoconical air-side surface to make said helical portion on said frustoconical air-side surface.

5. A sealing device disposed between relatively movable shaft and housing, comprising;

a rigid annular casing provided with a molded rubber like sealing lip disposed in an axial direction thereof, said sealing lip having radially inner portion slidably and sealingly engaging with said shaft;



10. A sealing device disposed between relatively movable shaft and housing, comprising;

a rigid annular casing provided with a molded elastic rubber like sealing lip disposed in an axial direction thereof, said sealing lip having a frustoconical air-side surface and having a frustoconical oil-side surface;

a third frustoconical surface disposed between said frustoconical air-side surface and said frustoconical oil-side surface; and

a harder helical portion disposed on said third frustoconical surface, hardness of said harder helical portion being harder than the hardness of said sealing portion.